

CLINICAL EEG

ELECTROENCEPHALOGRAPHY



Author and Subject Index
Volume 27, 1996

Index of Authors

- Achtereekte, H.A.M., 69
Alper, Kenneth R., 58
Arlazoroff, A., 95
Attias-Yon, E., 105
Barth, Jeffrey T., 103, 183
Bastos, Adriana, 116
Bermea, A., 105
Bettoni, L., 210
Bortone, E., 210
Bosco, Abelardo, 116
Buzio, S., 210
Chabot, Robert J., 26
Cheyne, D., 60
Cummings, Jeffrey L., 21
Davenport, Tracey L., 26
Delsoldato, S., 210
Diamond, Robert, 183
Drake, Miles E., Jr., 155
Duffy, F.H., 104
Errico, Austin, 183
Fenton, George W., 103, 174
Ferriss, Gregory S., 52
Fonseca, Lineu C., 116
Franklin, D., 105
Furlow, Jennifer, 52, 89
Gaetz, M., 60
Ganji, Srinivas S., 52, 89
Gelblum, J., 105
Giladi, R., 95
Giorgi, C., 210
Graap, K., 105
Hashimoto, Takuma, 84
Henry, Russell, 89
Hoffman, D.A., 105
Hughes, John R., 35, 100, 102,
107, 187
Jantzen, K. J., 60
Jelles, B., 69
Jenden, Donald, 61
Jin, Yi, 151
Kertesz, J., 95
Klein, C., 95
Kojima, Takuya, 202
Koshino, Yoshifumi, 84
Krusz, J. C., 105
Laloni, Diana T., 116
Leroux, D., 132
Leuchter, Andrew F., 61
Longmire, D. R., 105
Mancia, D., 210
Matsuura, Masato, 202
Mendizabal, Jorge E., 106, 215
Merkin, Henry, 26
Michiels, M., 132
Miller, Bruce L., 61
Nanbu, Yuko, 84
Newell, Sharon A., 155
Niedermeyer, E., 1, 121
Nowack, William J., 22, 106, 215
Onda, Hiroshi, 202
Patrick, Gloria, 78
Persky, Barry, 191
Peters, J. P., 132
Pollak, L., 95
Potkin, Steven G., 151
Rao, Jayaram, 52
Read, Stephen L., 61
Rechitsky, Igor, 187
Reeves, Roy R., 78
Rzempoluck, E., 60
Sangal, JoAnne M., 46, 145, 191
Sangal, R. Bart, 46, 145, 191
Schwaninger, J., 105
Serfontein, Gordon, 26
Shimada, Yuko, 84
Slaets, J.P.J., 69
Sorel, L., 132
Stam, C.J., 69
Stevens, Janice R., 57
Stockdale, S., 105
Struve, Frederick A., 78
Tedrus, Gloria, M.A., 116
Van Birgelen, J. H., 69
Van Egeren, L., 105
Wada, Yuki, 84
Weate, Steven J., 155
Weinberg, Harold, 60
Weinmann, Robert L., No. 4: VI-
VII
Wood, Lisa M., 26
Wu, X., 40
Xiao, C. H., 40
Yener, Gorsev G., 61
Yoshino, Makoto, 202

Index of Subjects

- Absence discharges** and, cognitive impairment, counterexample to the three second rule, 215-217
 —coma after cardiac arrest, 89-94
 —dipole theory of EEG, 121-131
 —relationship to primary generalized epilepsy, 1-21
- Age factor** and, auditory and visual P300 in normal adults, 145-150; children 46-51
 —development of sleep spindles in the first year of life, 107-115
 —normal EEG, 102
 —See also Children
- Alcoholism** and, review of usefulness of standard EEG in psychiatry, 35-39
- Alpha activity** and, coma after cardiac arrest, 89-94
 —desynchronization, substance use vulnerability, 173
 —inter- and intrahemispheric EEG coherence during light drowsiness, 84-88
 —neo-EEG, 132-144
 —QEEG in attention deficit and learning disorders, 26-34
 —QEEG in frontotemporal dementia and Alzheimer's disease, 61-77
 —serum concentration of carbamazepine, 40-45
 —usefulness of standard EEG in psychiatry, 35-39
- Alternating pattern** and, spindle coma in measles encephalitis, 210-214
- Alzheimer's disease** and, linear and nonlinear QEEG analysis, 69-77
 —QEEG in frontotemporal dementia, 61-68
- Ambulatory EEG** and, hypersomnia with a pontine lesion, 52-56
- American Psychiatric Electrophysiology Association**, abstracts of meeting May 1996, 159-173
- Animal models** and, primary generalized epilepsy, 1-21
- Anorexia nervosa** and, usefulness of standard EEG in psychiatry, 35-39
- Anticonvulsants** and, carbamazepine in volunteers and epileptics, 40-45
 —spike and wave complexes in schizophrenia, 202-209
 —schizophrenia, differences in neurophysiological profiles, 166-167
 —temporal lobe epilepsy, 57
- Anxiety disorders** and, autonomic function, 162
 —mild head injury, 183-186
 —usefulness of standard EEG in psychiatry, 35-39
- Arousal** and, dyshormia revisited, generalized seizures 22-25
 —inter- and intrahemispheric EEG coherence during light drowsiness, 84-88
 —primary generalized epilepsy, 1-21
- Artificial neural net** and, analysis of EEG, 60
- Asymmetry in EEG** and, QEEG in attention deficit and learning disorders, 26-34
 —QEEG, psychiatric applications, No. 2: VI-IX
 —usefulness of standard EEG in psychiatry, 35-39
- Asynchrony** and, development of sleep spindles in the first year of life, 107-115
- Attention** and, P50 with visual interference in normals, model for schizophrenia, 151-154
 —See also Attention deficit disorder
- Attention deficit disorder** and, auditory evoked potentials, 167-168
 —P300, poor response to imipramine, 191-201
 —QEEG, 26-34, 160
- Auditory evoked potential** and, attention deficit hyperactivity disorder, 167
 —Creutzfeldt-Jakob disease, 95-99
 —middle latency, in epilepsy, 155-158
 —P50 in schizophrenia, effect of clozapine, 167
 —P50 with visual interference in normal subjects, 151-154
 —postconcussion syndrome reappraised, 174-182
 —P300 obsessive-compulsive disorder, 168
 —P300 in normal adults, 145-150
- Autism** and, usefulness of standard EEG in psychiatry, 35-39
- Basic EEG** and, distinctive EEG patterns, 102
 —normal, from prematurity to old age, 102
 —usefulness in psychiatry, 35-39
- Behavioral disorders** and, QEEG, 26-34
 —usefulness of standard EEG in psychiatry, 35-39
 —See also Attention deficit disorder
- Beta activity** and, inter- and intrahemispheric EEG coherence during light drowsiness, 84-88

- QEEG in attention deficit and learning disorders, 26-34
- QEEG in frontotemporal dementia and Alzheimer's disease, 61-77
- usefulness of standard EEG in psychiatry, 35-39
- Biophysical approach to EEG** and, dipole theory, 121-131
- Brain mapping** and, auditory and visual P300 in normal adults, 145-150
 - auditory and visual P300 in normal children, 46-51
 - P300, poor response to imipramine in ADHD, 191-201
 - See also QEEG
- Brainstem auditory evoked potential** and, Creutzfeldt-Jakob disease, 95-99
 - postconcussion syndrome reappraised, 174-182
 - See also Auditory evoked potential
- Caffeine** and, cessation with diffuse paroxysmal slowing dysrhythmia, 78-83
- Carbamazepine** and, quantitative and pharmaco-EEG in volunteers and epileptics, 40-45
 - schizophrenia, differences in neurophysiological profiles, 166-167
 - spike and wave complexes in schizophrenia, 202-209
- Cardiac arrest** and, coma with theta and spindle-like bursts, 89-94
- Central localization** and, rolandic spikes, reactivity, 116-120
- Centrencephalic concept** and, dipole theory, 121-131
 - epilepsy, 1-21
- Certification** and, clinical electrophysiology, 159
 - EEG board examination, guidelines, 100-101
- Chaos theory** and, QEEG analysis in Alzheimer's disease, 69-77
- Children** and, auditory and visual P300 in normals, 46-51
 - auditory EP in attention deficit disorder, 167-168
 - brain maturation and sleep, 160
 - development of sleep spindles in the first year of life, 107-115
 - P300, poor response to imipramine in ADHD, 191-201
 - QEEG in attention deficit or specific developmental disorders, 26-34, 160
 - reactivity of rolandic spikes, 116-120
- Chlorpromazine** and, spike wave in schizophrenia, 202-209
- Clozapine** and, P50 auditory gating in schizophrenia, 167
- Cocaine dependence** and, gender differences, 170
- Cognitive impairment** and, spike-wave discharges, 106, 215-217
 - See also Alzheimer's disease and Dementia
- Coherence EEG**, and, light drowsiness, 84-88
- Coma** and, spindles in measles encephalitis, 210-214
 - theta and spindle-like activity after cardiac arrest, 89-94
- Complex partial seizures** and, middle latency auditory evoked potentials, 155-158
 - usefulness of standard EEG, 35-39
- Concussion**, See Post concussion syndrome
- CPT codes and, QEEG**, No. 2: VI
- Creutzfeldt-Jakob disease** and, progressive deterioration of BAEP, 95-99
- Delirium** and, QEEG psychiatric applications, No. 2: VI-IX
 - usefulness of standard EEG in psychiatry, 35-39
- Delta activity** and, inter- and intrahemispheric EEG coherence during light drowsiness, 84-88
 - neuropsychiatric correlates, decreased power, 166
 - QEEG in attention deficit and learning disorders, 26-34
 - QEEG in frontotemporal dementia, and Alzheimer's disease, 61-77
 - usefulness of standard EEG in psychiatry, 35-39
 - See also Slow activity
- Dementia** and, electrophysiology, 160-161
 - linear and nonlinear QEEG analysis, 69-77
 - QEEG in frontotemporal dementia, 61-68
 - QEEG, psychiatric applications, No. 2: VI-IX
 - usefulness of standard EEG in psychiatry, 35-39
- Demyelinating disease** and, flash visual evoked potential, 187-190
- Depression** and, computerized method of objective assessment, 165
 - interface between neuroimaging and sleep, 161
 - mild head injury, 183-186
 - perception of facial expression of basal emotions, 164-165
 - P300, poor response to imipramine in ADD, 191-201
 - QEEG and decreased delta power, 166
 - usefulness of standard EEG in psychiatry, 35-39

- Developmental learning disorders** and,
 —QEEG, 26-34
 —usefulness of standard EEG in psychiatry, 35-39
 —See also Attention deficit disorder
- Dextroamphetamine** and, attention deficit and specific learning disorders, with QEEG, 26-34
- Dipole theory** and, EEG, 121-131
- Drowsiness** and, hypersomnia associated with focal pontine lesion, 52-56
 —inter- and intrahemispheric EEG coherence, 84-88
 —See also Arousal
- Drugs** and, abuse, usefulness of standard EEG, 35-39
 —attention deficit disorder or specific learning disorders, with QEEG, 26-34
 —carbamazepine in volunteers and epileptics, 40-45
 —carbamazepine and schizophrenia, 166-167
 —clozapine, P50 auditory gating in schizophrenia, 167
 —cocaine dependence and EEG gender differences, 170
 —gabapentin treatment of epilepsy and pain, 105
 —imipramine, poor response in ADHD, P300, 191-201
 —LSD, visual disorder, with QEEG, 172
 —psychotropic drugs, 35-39
 —spike and wave complexes in schizophrenia, 202-209
 —substance use and alpha desynchronization, 173
 —temporal lobe epilepsy, 57
 —usefulness of standard EEG in psychiatry, 35-39
- Dyskinesia** and, generalized seizures and arousal, 22-25
 —primary generalized epilepsy, 1-21
- Dyslexia** and, QEEG application, No. 2: VI-XI
 —usefulness of standard EEG in psychiatry, 35-39
- ECT** and, usefulness of standard EEG in psychiatry, 35-39
 —EEG board examination guidelines, 100-101
- Electroacupuncture** and, mechanisms and clinical application, 166
- Emotion** and, assessment of depressive conditions, 164-165
 —autonomic function, 162
 —mild head injury, 183-186
 —usefulness of standard EEG in psychiatry, 35-39
 —See also Depression
- Encephalitis** and, measles with spindle coma and alternating pattern, 210-214
- Epilepsy** and, benign rolandic, reactivity of spikes, 116-120
 —Creutzfeldt-Jakob disease, deterioration of BAEP, 95-99
 —dipole theory of EEG, 121-131
 —dyshormia revisited, generalized seizures and arousal, 22-25
 —gabapentin treatment, with pain, 105
 —middle latency auditory evoked potential, 155-158
 —primary idiopathic generalized seizures, underlying mechanisms, 1-21
 —QEEG and pharmaco-EEG, carbamazepine in volunteers and epileptics, 40-45
 —spike wave complexes in schizophrenia, 202-209
 —temporal lobe seizures, review, 35-39, 57
 —transcranial magnetic stimulation, 170-171
 —transitory cognitive impairment and spike wave, 106
 —usefulness of EEG in psychiatry, 35-39
- Event related potentials** and, auditory frequency discrimination task, 164
 —obsessive-compulsive patients, 170
 —P300 in ADHD, poor response to imipramine, 191-201
 —P300 in degenerative cerebral diseases, 168
 —P300 in normal adults, 145-150
 —P300 in normal children, 46-51
 —schizophrenia, 162, 169
- Evoked potential** and, auditory and visual P300 in normal adults, 145-150
 —auditory and visual P300 in normal children, 46-51
 —coma after cardiac arrest, 89-94
 —auditory frequency discrimination task, 164
 —Creutzfeldt-Jakob disease, 95-99
 —degenerative cerebral diseases, 168
 —flash VEP test for Alzheimer's disease, 160-161
 —hypersomnia associated with a focal pontine lesion, 52-56
 —middle latency AEP in epilepsy, 155-158
 —obsessive-compulsive patients, 168, 170
 —P50 changes with visual interference in normals, 151-154
 —P50 in schizophrenia, effect of clozapine, 167
 —P300 in ADD response to imipramine, 191-201
 —post concussional syndrome, 103-104, 174-182
 —psychiatric disorder, multimodality, 163
 —schizophrenia, 151-154, 162, 169
 —usefulness of flash VEP, 187-190

- Febrile convulsions** and, relationship to primary generalized epilepsy, 1-21
- Flash visual evoked response** and, Alzheimer's disease, 160-161
—usefulness, follow-up studies, 187-190
- Fourteen and six per second positive spikes** and, usefulness of standard EEG in psychiatric disorders, 35-39
- Frequency analyzer** and, neo-EEG, 132-144
—QEEG in Alzheimer's disease, 69-77
- Frontal localization** and, bilateral synchronous spikes and spike-waves, 1-21
—prefrontal cortex, brain maturation and sleep in children, 160
—QEEG in dementia, 61-68
—usefulness of standard EEG in psychiatry, 35-39
- Gabapentin** and, treatment of epilepsy with comorbid pain symptoms, 105
- Gender** and, cocaine dependence, cortical blood flow, 170
- Generalized seizures** and, dyshormia, 1-25
—middle latency auditory EP, 155-158
- Genetic predisposition** and, primary generalized epilepsy, 1-21
- Grand mal epilepsy** and, relationship to primary generalized epilepsy, 1-21
—See Generalized seizures
- Hallucinogen** and, post-LSD visual disorder, with QEEG, 172
- Haloperidol** and, spike wave in schizophrenia, 202-209
- Headache** and, mild head injury, 183-186
- Head injury** and, EEG and clinical correlates, 168-169
—EEG neurofeedback, 105, 164
—evoked potentials, 103-104
—mild post concussion syndrome, does anyone suffer, 183-186
—minor postconcussion syndrome reappraisal, 174-182
—QEEG, 104, 168-169
- Health care coverage** and, medical red-lining for physicians, No. 4: VI-VII
- Hemispheric function**, and, EEG coherence during light drowsiness, 84-88
- Heroin** and, drug abuse, usefulness of EEG in psychiatry, 35-39
- Hypersomnia** and, focal pontine lesion, 52-55
- Hypoxic encephalopathy** and, theta and spindle-like activity during coma, 89-94
- Imipramine** and, treatment response in attention deficit hyperactivity disorder with P300, 191-201
- Infants** and, development of sleep spindles in the first year of life, 107-115
- Information processing** and, multitasking environments with EEG and MEG, 60
—post concussion syndrome, 174-182, 183-186
- Inverse problem** and, dipole theory of EEG, 121-131
- K-complexes** and, dyshormia, generalized seizures and arousal, 22-25
—primary generalized epilepsy, 1-21
- Learning disability** and, QEEG, 26-34, 160
—See also Attention deficit disorder
- Levomepromazine** and, spike wave in schizophrenia, 202-209
- Lithium** and, usefulness of standard EEG in psychiatry, 35-39
- LSD** and, QEEG, evidence for disinhibition, 172
- Magnetoencephalography** and, dipole theory of EEG, 121-131
—information processing in multitasking environments, 60
—psychiatry, 161
- Marijuana** and, drug abuse, usefulness of EEG, 35-39
- Measles** and, encephalitis with spindle coma and alternating pattern, 210-214
- Medical red-lining** and, economic credentials for physicians, No. 4: VI-VII
- Memory** and, mild head injury, 183-186
—See also Cognitive impairment and Dementia
- Methylphenidate** and, attention deficit and learning disorders, with QEEG, 26-34
- Middle latency AEP** and, epilepsy, 155-158
- Monopolar reference montages** and, dipole theory of EEG, 121-131
—neo-EEG, 132-144
- Mood disorders** and, usefulness of standard EEG, 35-39
- Morphine** and, drug abuse, usefulness of standard EEG, 35-39
- Multiple sclerosis** and, flash visual evoked potential, 187-190
- Myoclonic epilepsy** and, relationship to primary generalized seizures, 1-21
- Myoclonus** and, Creutzfeldt-Jakob disease, deterioration of BAEP, 95-99
- Narcolepsy** and, hypersomnia associated with focal pontine lesion, 52-56
- Neo-electroencephalography** and, present state of development, 132-144
- Neurofeedback** and, mild traumatic brain injury, 105, 164
- Neuroleptic treatment** and, spike wave complexes in schizophrenia, 202-209
—See also Drugs

- Neuropsychological assessment** and, multi-tasking environments, 60
 - post concussion syndrome, 174-182, 183-186
- Nonlinear dynamics** and, QEEG analysis in Alzheimer's disease, 69-77
- Normal EEG** and, prematurity to old age, 102
 - sleep spindles in the first year of life, 107-115
- Obsessive-compulsive disorder** and, event related potentials, 168, 170
 - usefulness of standard EEG, 35-39
- Organic mental syndrome** and, psychiatric applications of QEEG, No. 2: VI-IX
 - usefulness of standard EEG in psychiatry, 35-39
- Pain** and, gabapentin treatment of epilepsy and comorbid symptoms, 105
- Panic attacks** and, autonomic function, 162
 - mild head injury, 183-186
 - usefulness of standard EEG in psychiatry, 35-39
- Parkinson's disease** and, P300, 168
- Pemoline** and, attention deficit hyperactivity disorder, 191-201
- Personality disorder** and, review of usefulness of standard EEG in psychiatry, 35-39
 - See also Psychiatry
- P50** and, auditory gating in schizophrenics, effects of clozapine, 167
 - timing, sequence patterning and pitch, 169-170
 - visual interference in normal subjects, model for schizophrenia, 151-154
- Phase detection** and, neo-EEG, 132-144
 - theory, dipole, 121-131
- Phencyclidine** and, drug abuse, usefulness of EEG, 35-39
- Phenobarbital** and, spike wave in schizophrenia, 202-209
- Phenothiazines** and, usefulness of standard EEG in psychiatry, 35-30
- Photosensitivity** and, relationship to primary generalized epilepsy, 1-21
- Pontine lesion** and, hypersomnia, 52-56
- Post-concussion syndrome** and, evoked potentials, 103-104
 - mild head injury, does anyone really suffer, 183-186
 - mild head injury, reappraisal, 174-182
- Primary generalized epilepsy** and, underlying mechanisms, 1-21
- Psilocybin** and, usefulness of standard EEG in psychiatry, 35-39
- Psychiatry** and, electrophysiologic approaches, 159-173
 - magnetoencephalography, 161
 - multivariate analysis of QEEG, 58-59
 - neo-EEG, 132-144
 - P50 changes with visual and sensory distraction model, 151-154
 - QEEG applications, No. 2: VI-IX
 - review of usefulness of standard EEG, 35-39
 - spike wave complexes in schizophrenia, 202-209
 - temporal lobe epilepsy, 57
- P300** and, auditory and visual, in normal children, 46-51
 - degenerative cerebral disease, 168
 - poor response to imipramine in ADHD, 191-201
 - topography of auditory and visual P300 in normal adults, 145-150
- Quantitative EEG (QEEG)** and, American Academy of Neurology, comments on revised report, psychiatric applications, No. 2: VI-IX
 - carbamazepine in volunteers and epileptics, 40-45
 - children with attention deficit or specific developmental learning disorders, 26-34
 - CPT codes, No. 2: VI
 - frontotemporal dementia, 61-68
 - head injury, 104
 - learning disability, 26-34, 160
 - linear and nonlinear analysis of Alzheimer's disease, 69-77
 - longitudinal study in bipolar disorder, 165
 - neo-EEG, 132-144
 - neuropsychiatric correlates of decreased delta, 166
 - neuropsychiatry, multivariate analysis, 58-59
 - pontine lesion, 52-56
 - poor response to imipramine in ADHD, 191-201
 - post concussional syndrome, 174-182
 - P300 in normal adults, 145-150
 - P300 in normal children, 46-51
 - traumatic brain injury, minor, 168-169
 - visual disorder, post LSD, 172
- Reference electrode location** and, neo-EEG, 132-144
 - theory, dipole, 121-131
- REM sleep** and, hypersomnia with focal pontine lesion, 52-56
 - usefulness of standard EEG in psychiatry, 35-39
- Reticular activating system** and, hypersomnia with focal pontine lesion, 52-56
- Reticular thalamic nucleus** and, development of sleep spindles in the first year of life, 107-115

- Rolandic spikes** and, reactivity, 116-120
- Schizophrenia** and, carbamazepine, differences in neurophysiological profiles, 166-167
 - delta sleep, thalamocortical circuits, 171
 - event related potentials, 162, 169
 - P50 auditory gating, effects of clozapine, 167
 - P50 changes with visual interference in normal subjects, model, 151-154
 - review of usefulness of standard EEG in psychiatry, 35-39
 - sleep deprivation, 171-172
 - spike and wave complexes, 202-209
- Seizures.** See Epilepsy
- Sensory gating** and, P50 changes in normal subjects, 151-154
 - timing, sequence patterning and pitch, 169
- Shear-strain** and, mild head injury, 183-186
- Sigma activity** and, development of sleep spindles in the first year of life, 107-115
- Six per second spike and wave complexes**
 - and, chronic schizophrenia, 202-209
 - usefulness of standard EEG in psychiatry, 35-39
- Sleep** and, brain maturation in children, 160
 - depression and neuroimaging, 161
 - dyshormia, generalized seizures and arousal, 22-25
 - hypersomnia with focal pontine lesion, 52-56
 - primary generalized seizures, 1-21
 - schizophrenia, sleep deprivation, 171-172
 - schizophrenia, thalamocortical circuits, 171
 - spindles, development in the first year of life, 107-115
 - spindles in generalized epileptiform complexes, 22-25
 - usefulness of standard EEG in psychiatry, 35-39
- Slowing** and, caffeine cessation, increase in diffuse paroxysms, 78-83
 - Creutzfeldt-Jakob disease with BAEP, 95-99
 - inter- and intrahemispheric coherence during light drowsiness, 84-88
 - measles encephalitis with spindle coma and alternating pattern, 210-214
 - neo-EEG, 132-144
 - neuropsychiatric correlates, decreased power, 166
 - postconcussion syndrome, 174-182
 - QEEG in ADD and learning disorders, 26-34
 - QEEG in frontotemporal dementia and Alzheimer's disease, 61-77
 - QEEG and serum concentration of carbamazepine, 40-45
 - rhythmic delta, theta, spindles during coma, 89-94
- usefulness of standard EEG in psychiatry, 35-39
- Small sharp spikes** and, mood disorder, 35-39
- Sodium valproate** and, spike wave in schizophrenia, 202-209
- Somatosensory evoked potentials** and, coma after cardiac arrest, 89-94
- Spike and wave complexes** and, cognitive impairment, 215-217
 - dipole theory of EEG, 121-131
 - primary generalized epilepsy, underlying mechanisms, 1-21
 - schizophrenia, 202-209
 - transitory cognitive impairment, 106
 - usefulness of standard EEG in psychiatry, 35-39
- Spikes** and, dipole theory of EEG, 121-131
 - dyshormia, 22-25
 - primary generalized epilepsy, 1-21
 - rolandic, reactivity, 116-120
 - usefulness of standard EEG in psychiatry, 35-39
- Spindles** and, development during first year of life, 107-115
 - during coma following cardiac arrest, 89-94
 - generalized epileptiform complexes, 22-25
 - measles encephalitis, coma, 210-214
- Substance use** and, alpha desynchronization, 173
 - usefulness of standard EEG in psychiatry, 35-39
 - See also Drugs
- Suicidal ideation** and, usefulness of standard EEG in psychiatry, 35-39
- Synchrony** and, primary generalized epilepsy, underlying mechanisms, 1-21
- Temporal localization** and, rolandic spikes, reactivity, 116-120
 - QEEG in dementia, 61-68
 - seizures, 57
 - seizures, middle latency auditory EP, 155-158
 - usefulness of standard EEG in psychiatry, 35-39
- Thalamus** and, centrencephalic concept in epilepsy, 1-21
 - development of sleep spindles in the first year of life, 107-115
- Theta activity** and, inter- and intrahemispheric coherence during light drowsiness, 84-88
 - neo-EEG, 132-144
 - post concussion syndrome, 174-182
 - QEEG in attention deficit and learning disorders, 26-34
 - QEEG in frontotemporal dementia, and Alzheimer's disease, 61-77

- QEEG and serum concentration of carbamazepine, 40-45
- spindle-like bursts during coma after cardiac arrest, 89-94
- See also Slow activity

Three per second spike and wave discharges

- and, cognitive impairment, counterexample to the three second rule, 215-217
 - dipole theory of EEG, 121-131
 - relationship to primary generalized epilepsy, 1-21
- Topography**
- and, auditory and visual P300 in normal adults, 145-150
- auditory and visual P300 in normal children, 46-51
 - P300, poor response to imipramine in ADHD, 191-201

—See also QEEG

Transcranial magnetic stimulation and, psychiatric research, 170-171

Traumatic brain injury and, See Head injury

Tricyclic antidepressants and, review of standard EEG in psychiatry, 35-39

Triphasic waves and, Creutzfeldt-Jakob disease with BAEP, 95-99

Visual evoked response and, Alzheimer's disease, flash, 160-161

—P50 changes in normal subjects, 151-154

—P300 in normal adults, 145-150

—P300 in normal children, 46-51

—usefulness of flash VEP, 187-190

Volume conduction and, dipole theory and EEG, 121-131

